

MATTINGLY, STANGER & MALUR, P.C.

JOHN R. MATTINGLY*
DANIEL J. STANGER
SHRINATH MALUR*

GENE W. STOCKMAN
Of Counsel

JEFFREY M. KETCHUM
Registered Patent Agent

* Bar Membership Other Than Virginia

ATTORNEYS AT LAW

1800 DIAGONAL ROAD, SUITE 370
ALEXANDRIA, VIRGINIA 22314

PATENT, TRADEMARK
AND COPYRIGHT LAW

FACSIMILE: (703) 684-1157

13281 U.S.PTO
03917 U.S.PTO
10/720308



(703) 684-1120

Date: November 25, 2003

Attorney Docket No. H-1121

CUSTOMER NO. 24956

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir: Transmitted herewith for filing is the patent application of:

Inventor: Y. KANEDA et al

For:
DATA STORAGE SYSTEM, DATA STORAGE APPARATUS,
COMPUTERS AND PROGRAMS

Enclosed are:



9 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 2002-344812 (which is hereby filed November 28, 2002). A certified copy is attached herewith. incorporated by reference)



Copies of the disclosure documents listed on the attached PTO 1449 form and discussed in the specification or attached Information Disclosure Statement.



Small entity status under 37 CFR 1.9 and 1.27 is hereby claimed.



Specification: Abstract , Description 34 pages; and 13 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	<u>13</u> -20 = * <u>0</u>	
Indep Claims	<u>8</u> - 3 = * <u>5</u>	
<input type="checkbox"/> Multiple Dependent Claim (s)		

* If difference is less than zero
then enter '0' in second column

Rate	Fee
	\$ 375
x 9	\$
x 42	\$
+ 140	\$
Total	\$

Rate	Fee
	\$ 770
x 18	\$ 0
x 84	\$ 420
+ 280	\$ 0
Total	\$ 1,200



A check or credit card payment form in the amount of \$ 1,200.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to Deposit Account No. 50-1417.

Respectfully Submitted,

By:

John R. Mattingly
Registration No. 30,293

LIST OF INVENTORS' NAMES AND ADDRESSES

Yasunori KANEDA, Sagamihara, JAPAN;

Ayumi MIKUMA, Kawasaki, JAPAN.